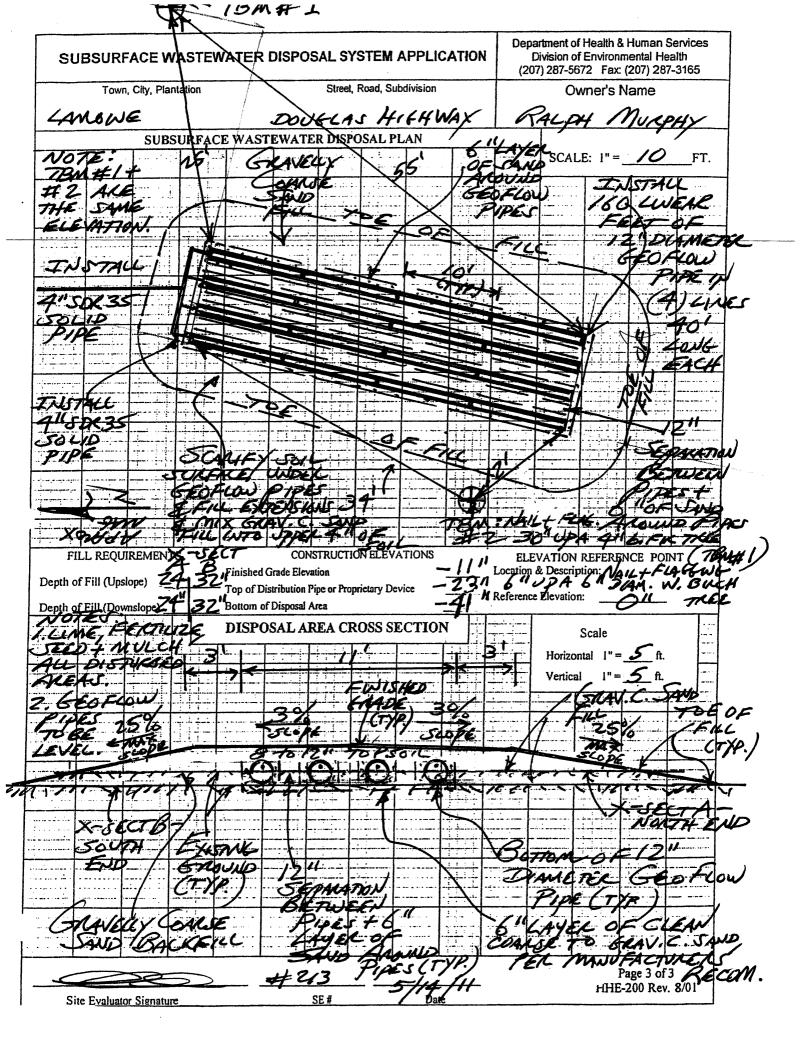
PROP	ASTEWATER DISPOSAL S			Maine Dept.Health & Human Servic Div of Environmental Health , 11 Sh (207) 287-5672 Fax: (207) 287-31			
City, Town		>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BE					
or Plantation Street or Road	AMONE						
	OUTE 184						
Subdivision, Lot #	•	LAMOINE		PERMIT # 1667 TOWN COPY			
OWNER/APP Name (last, first, MI)	LICANT INFORMATION	Date Permit	13011	\$ 1 1 11.51 Q Double Fee			
MURPHY	RALPH W Owner	Issued: L	02	L.P.I. # / 1 / 1 / 1			
Mailing Address	0. Box 314	Local Plu	mbing Insector Signature	L.P.I. #			
Owner/Applicant S	URLY, ME 0468	94					
Daytime Tel. #	1460-6102		17				
OWNER OR AP		iviunicipa	I Tax Map #	5/Lof#_ <u>24-1</u>			
my knowledge and understand it and/or Local Plumbing Inspector	information submitted is correct to the best of	I have inspecte	CAUTION: INSPEC	in the state of th			
The state of the s	to deny a Permit. 8-30-17	will the Subsu	mace Wastewater Disp	posal Rules Application. (Ist) date approved			
Signature of O	wner or Applicant Date	Loro	I Blumbin I	222/11			
TYPE OF APPLICATION	PER	CIVILL INFORMATION	LPlumbing Inspector S	ignature (2nd) date approved			
1. First Time System	ON THIS APPLICATION R	EQUIRES	DISP	OSAL SYSTEM COMPONENTS			
■2. Replacement System	2. First Time System Variance	•	2. Pri	mplete Non-engineered System mitive System (graywater & alt. toilet)			
Type replaced: 20 X 9 Year installed STONE B		Approval Spector Approval	. 3. Alte	ernative Toilet, specify: n-engineered Treatment Tank (only)			
	3. Replacement System Varian	ce	5. Ho	lding Tank, gallons			
3. Expanded System a. <25% Expansion b. ≥25% Expansion	a. Local Plumbing Inspector b. State & Local Plumbing In	Approval spector Approval	7. Sep	n-engineered Disposal Field (only) parated Laundry System			
4. Experimental System5. Seasonal Conversion	4. Minimum Lot Size Variance	•	Complete Engineered System (2000 gpd or more Engineered Treatment Tank (only)				
SIZE OF PROPERTY		5. Seasonal Conversion Permit 10. Engineered Disposal Field (only)					
	DISPOSAL SYSTEM TO S	DISPOSAL SYSTEM TO SERVE 1. Single Family Dwelling Unit, No. of Bedrooms:		11. Pre-treatment, specify: 12. Miscellaneous Components			
1.86 t/_ sq.	RES 2. Wultiple Family Dwelling, No.	of Units:		PE OF WATER SUPPLY			
SHORELAND ZONING	(specify)	· .	1. Drilled	Well 2. Dug Well 3. Private			
Yes INC	Current Use Seasonal Year	Round :: Undeveloped	■4. Public	5 Other			
TREATMENT TANK	DESIGN DETAILS (SY DISPOSAL FIELD TYPE & S			6E 3)			
1. Concrete Da. Regular	1. Stone Bed 2. Stone Trend	- CALLED TO LE	SPOSAL UNIT	DESIGN FLOW			
b. Low Profile	3. Proprietary Device	321.110 2.1	pecify one below:	Z70 gallons per day			
3. Other:	a. cluster array c. Linear b. regular load d. H-20 loa	a. multi-compar	tment tank	BASED ON: 1. Table 4A (dwelling unit(s))			
CAPACITY: /000 GA	L. #4. Other: 12"640 FLOU	C. increase in ta		Table 4C(other facilities) SHOW CALCULATIONS for other facilite			
OIL DATA & DESIGN CLAS		d. Filter on Tank	COutlet	The same of the lacket			
ROFILE CONDITION	PIOT OUNT FIELD SIXING	EFFLUENT/EJECT	OR PUMP	Section 4G (meter readings) ATTACH WATER METER DATA			
Observation Hole # 77/	1. Medium2.6 sq. ft. / gpd	. Not Required 2. May Be Required					
epth	2. MediumLarge 3.3 sq. f.t / g 3. Large4.1 sq. ft. / gpd			LATITUDE AND LONGITUDE at center of disposal area Lat			
Most Limiting Soil Factor	4. Extra Large5.0 sq. ft. / gpd	Specify only for engine	ered systems: allons	Lon. 68 d ZO m 17 sw			
· /		UATOR STATEMEN		if g.p.s, state margin of error:			
ertify that on 5/11							
	s in compliance with the State of Mai	iluation on this propert	y and state that t	he data reported are accurate and ules (10-144A-CMR 241) // - 0 +0+			
)	#213	isposal R کاری محمد	ules (10-144A CMR 241).//-0404			
Site Evalua	tor Signature	SE#	<u> </u>	Daje			
Sito Euro	HEN H. HOWELL	(207)84	8-5714	D. J.W. SUE			
•	tor Name Printed	Telephone N	lumber	E-mail Add des			
e : Changes to or devia	tions from the design should be conf	irmed with the Site Eva	aluator.	Page 1 of 3			
No was an increase of the control			•	HHE-200 Rev. 02/2011			

SUBSURFACE WASTEWATER DI			ATION	Division of	Health & Hun Environmenta 72 Fax: (207	al Health
		d, Subdivision	4		vner's Name	
LAMOINE	Dove		GHWAY) RAI	PH M) // D#.
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Construction Notes

- GeoFlow pipes to be a minimum of 100 feet from all wells, 300 feet from public water supplies, 50 feet from a minor water body/course, 100 feet from a major water body/course, 15 feet from the edge of any curtain drains, 10 feet from property lines, and 20 feet from buildings.
- 2. Septic tank to be a minimum of 50 feet from wells, 100 feet from ponds, lakes, and a major water body/course, 50 feet from a minor water body/course, 10 feet from property lines, and 8 feet from buildings.
- 3. Divert all roof runoff and surface runoff away from leachfield.
- 4. Properly protect all pipes, GeoFlow pipes, and tanks from freezing and/or crushing.
- 5. Review and comply with attached Septic System User Notes.

- 2. Bottom of disposal field: The bottom of each disposal field must be installed at the elevation specified on the permit. It must be maintained to a level grade no greater than 2 inches within 100 feet. Note: The bottom of a disposal field serves as the final stage of the distribution network.
- Avoid unnecessary compaction: Excavation must be carried out in a manner that will avoid unnecessary compaction of both sidewalls and bottom area. Heavy equipment, especially rubber-tired vehicles such as carried out when possible, by a back-hoe operating from outside the perimeter of the previously excavated portions of the disposal fields.
- 4. Reopen smeared or compacted bottom or sidewall surfaces: If any portion of the bottom or sidewalls becomes smeared or compacted, that portion must be scarified to reopen soil pores. Roto-tilling may be necessary to
- 5. Weather conditions: Work should be scheduled so that excavated areas are not exposed to rainfall or wind-blown silt. Any loose soil or debris that is washed or otherwise deposited within the excavation must be carefully removed prior to backfilling. Additionally, disposal fields should not be installed in frozen ground days.

D. CONSTRUCTION

- Construction: The installer of the system must make certain that the system and all its component parts are
 installed in conformance with the requirements of these Rules, the plan prepared by the site evaluator, and
 approved variance.
- Soil and backfill material: The installer of the system must make certain that the construction and installation
 are performed without adversely affecting the capacity of the soil or backfill material to adequately absorb or
 treat the septic tank effluent.

E. BACKFILL PLACEMENT FOR DISPOSAL AREAS INCLUDING FILL EXTENSIONS

- 1. General: Selection and placement of backfill must comply with the requirements of this Section.
- 2. Backfill standards: The backfill material must be gravelly coarse sand which meets the requirements of Table 11A or 11(E)(2)(a) below, as approved by the Department or LPI:

TABLE 11A Backfill Textural Gradation

Sieve Size	Percent Percent			
3 inches	Percent Passing by Weight 100 75-100 50-100 10-50			
#4				
#10				
#60				
#100				
#200	2-20 2-8			
Clay Fraction				
Ciay Fraction	0-2			

(a) Field determination of backfill: Due to the difficulty of obtaining sieve analyses and the variability of backfill material, the following procedures can be used in the field to determine the suitability of backfill readily seen (similar to salt or sugar grains) and felt, and the following conditions are observed: If the lines in the hand when dry, it will fall apart when the pressure is released but has enough fines to stain the lines in the palm of the hand; or, if squeezed when moist, it will form a cast that will crumble when

SEPTIC SYSTEM USER NOTES

- 1. This septic system has been designed to meet requirements of the State of Maine Subsurface Wastewater Disposal Rules, 10-144A CMR 241. Because site evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the septic system owners responsibility to ensure that this septic system design (HHE-200 form) is in compliance with applicable local ordinances. This can be done by contacting your local plumbing inspector and asking about local ordinances which differ from those required in the Rules.
- 2. It is the septic system owner's responsibility to obtain any local, state, or federal permit(s) that may be required for the installation of this septic system (work within or adjacent to a wetland may require a state and/or federal permit). Contact the Maine Department of Environmental Protection at 287-2111 and the Army Corps of Engineers at 623-8367 if you have any questions.
- 3. The use of a garbage grinder on a septic system is not recommended. Depending on use patterns, they can contribute a significant amount of particulate matter and grease to the system. Excessive use may result in premature failure. If a garbage grinder is to be used, additional septic tank capacity, a multi compartment septic tank is required, and/or more frequent septic tank pumping is recommended.
- 4. For new construction, it is recommended that the septic system owner install low volume toilets (1 1/2 gallons per flush or less) and other flow reducing fixtures such as low volume shower heads and faucets to minimize water consumption. A reduction in water usage will generally result in extended life of your septic system.
- 5. It is the septic system owner's responsibility to limit water consumption and wastewater generation so that the septic system design capacity (design flow on the HHE-200 form) is not exceeded on any day. Activities which generate large amounts of wastewater should be spread out over several days where possible. Excessive use of a septic system on any day can cause the system to fail even though your use, averaged over a week or month, is below design volume.
- 6. Do not connect floor or roof drains to a septic system. Your septic system is not designed to handle this water and it will likely cause premature failure.
- Do not dispose of backwash from water softeners or water treatment devices in your septic system. Large amounts of water can be generated from these devices which can overload a septic system.
- 8. Do not dispose of any hazardous or toxic substances in a septic system such as paint thinner, paints, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers and drain openers. Septic systems depend on living organisms to function properly. Toxic or hazardous material can, in effect, "kill" the system and are a threat to pollution of surface or groundwater resources. Instead of using a commercial degreaser or drain opener, which an be toxic, use one of the following:

A. A plunger or mechanical snake; or

B. Pour one handful of baking soda and 1/2 cup of white vinegar down the drainpipe and cover tightly for one minute. Repeat as necessary; or

- C. Pour 1/2 cup salt and 1/2 cup baking soda down the drain followed by 6 cups of boiling water. Let sit for several hours or overnight, then flush with water.
- Do not dispose of any inert or non-biodegradable substances into your septic system such as disposable diapers, cat box litter, coffee grounds, cigarette filters, sanitary napkins, facial tissues and wet strength paper towels.
- 10. Do not dispose of large quantities of fats or grease into your septic system unless an external grease trap has been designed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.
- 11. Do not add any septic tank cleaner or additive to your septic system to improve its function or prolong its useful operating life (this includes yeast, horse manure or commercial products). No effective product or material is recognized by State authorities and, in fact, some of these products can actually cause your septic system to fail.
- 12. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solids and grease occurs in septic tanks but the rate of accumulation virtually always exceeds the rate of biologic breakdown. If your septic tank is not pumped out often enough, solids and greases may build up to the point where they enter your disposal areas. Once this material reaches the disposal area, it will clog the soil surface and likely cause premature failure.
- 13. We recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you of how often you need to have the septic tank pumped based on what he finds at this inspection (typically a septic tank will need to be pumped every two to five years). Keep in mind that you will need to adjust pumping frequency to coincide with changes in the way you use your system. The more your septic system is used, the more frequently that the septic tank should be pumped.
- 14. Do not drive over or store heavy materials on any part of your septic system unless it is specifically designed to handle heavy loads. Otherwise, crushed components may be the result and the system may fail.
- 15. Divert all surface water away from the septic tank and disposal area. Roof areas which contribute runoff water to the septic system site should have gutters installed to divert that water to another location.
- 16. <u>PLEASE</u> If you have any questions about your septic system or how to use it, call me (848-5714) and ask for advice. You can also call the State Agency responsible for regulating septic systems, the plumbing program in the Division of Health Engineering, at 287-5689.